

1.

Name of work -

Situation of work -

Agency by which work is executed -

Date of measurement -

No. and date of agreement.

(These four lines should be repeated at the commencement of the measurements relating to each work).

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work:- M'shrawliya to Pakanya REO road.					
Length of road:- 9.325 K.M.					
Name of Agency:- M/s MS Enterprises Prop. Manoj Singh, F53B, Nageshwar colony, Patna.					
Agreement No:- 07/MBD/2021-22.					
Rate of Agreement:- 12.33% below					

Const. cost -	34289594.00				
Maint. cost -	12531375.00				
	46820969.00				
Date of Start:- 05.02.2022.					
Date of Com:- 04.11.2022.					
Percentage No:- MR-N/2019-20/11469-18.					

Continuation

प्रमाणित किया जाता है कि इस
मापी पुस्त में कुल 100 (एक सौ)
पृष्ठ हैं। जो कि सहायक अभियंता
ग्रामीण कार्य विभाग, कार्य अवर,
प्रमंडल... Chiraiya ...के
पदनाम से निर्गत किया जाता है।

Chiraiya
सहायक अभियंता
ग्रामीण कार्य विभाग
कार्य अवर, प्रमंडल, Chiraiya
24.1.23

Sch. XLV-Form No. 134

R.W.D (W) Dhaka DIVISION

Chiraiya SUB-DIVISION

Measurement Book

No. (1839)

Name of officer _____

Date of first entry _____

Date of last entry _____

2nd on A/c & final bill

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Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Name of work:-					Mishrawliya to Pakariya REO road.
Length of road:-					4.325 km.
Name of Agency:-					MLS M.S. Enterprises.
Prop.:-					Manju Singh, F 53 B, Nageshwar Colony, Pitura.
Agreement no:-					07/MSD/2021-22
Date of agreement:-					12.33.22
Const. cost					- 34289594.00
Maint. cost					- 12531375.00
					46820969.00
Date of start:-					5.2.2022
Date of com:-					4.11.2022
Packagers:-					MR-N/2019-20
					Phulee-18.

Continuation

Record Measurement

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Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
① Dismantling of parapet of old structure do do all.					
		2X 6.00	X 0.60	X 0.400	
				=	2.88 m ³
		for 04 nos		=	11.52 m ³
② Providing & laying of 300 mm dia. irrigation conduit pipe do do all.					
		16 X 3 X	2.50	=	120.00 m ³
				Qty =	120.00 m ³
③ Brick Masonry in CM 1:3 in Parapet do do all.					
	3	2	6.00	0.40 0.60	8.64
	1	2	8.00	0.40 0.60	3.84
				Qty =	12.48 m ³
④ Plastering with CM 1:4 do do.					
Side face	3	4.00	6.00	0.600	43.20
Top	3	2.00	6.00	0.400	14.40
End face	3	4.00	0.40	0.600	2.880
Side face	4.00	8.00	0.600	-	19.20
Top	2.00	8.00	0.400	-	6.40
End face	4.00	0.40	0.600	-	0.960
					87.04 m ³

Continuation

Recall Measurement

① Enthalpy increases in bond

② Protein PCCMs internally

① Вире Мосгорстат и Мосстат.

Cont. 10c & continuation
0.7854 (1200)² = 0.0011424
Ans = 27.497

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
④ Priming & Laying of 1000mm pipe - S.S.					
		3 X 2.50	=		7.50 m ²
				Qty =	7.50 m ²
⑤ Plastering with cm 1:4 on base work					
inter side	2	6.150	3.780	=	46.494 m ²
inner side	2	6.150	0.600	=	7.380 m ²
Top	2	6.150	0.400	=	4.920 m ²
Ends	4	0.825	2.500	=	8.514 m ²
Propriet	4	0.400	0.600	=	0.960 m ²
etc	2	6.7857	X (1.230) ²	=	2.377 m ²
				Qty =	67.890 m ²

⑥ Plastering on R.C.C. wall					
Top	2	X 6.150	X 0.400	=	4.920 m ²
side	4	X 6.150	X 0.600	=	14.760 m ²
front	4	X 0.400	X 0.600	=	0.960 m ²
				Qty =	20.640 m ²
Box Culvert					
3 X 3 m size					

① Earthwork in excavation -					
Bottom	1	4.80	6.0	0.70	20.16 m ³
cut Above	2	4.80	1.30	1.00	22.46 m ³
				Qty =	42.62 m ³
				for 2 nos	= 85.24 m ³
② P.C.M.U. - S.S. - etc.					
Bottom	1	3.80	6.0	0.100	2.28 m ³
				Qty =	2.28 m ³

Continuation

for 2 nos = 4.56 m³

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(3) RCC M20 in out off wall & d	2	2.80	0.30	1.50	3.42 m ³
				Qty =	3.42 m ³
for 02 nos				=	6.84 m ³
(4) Priming weep holes & d					
				Qty =	40 nos
for 02 nos				=	80 nos
(5) RCC M25 & d					
Bottom slab	1	3.80	6.00	0.30	6.84 m ³
Side wall	2	6.00	3.00	0.40	14.40 m ³
Header	4	6.00	0.00	—	0.27
				Qty =	21.51 m ³
for 02 nos				=	43.02 m ³
(6) Priming RCC M20 in super structure & d					
RCC box	1	3.80	6.00	0.30	6.84 m ³
kerb	2	2.80	0.30	0.30	0.53 m ³
				Qty =	7.41 m ³
for 02 nos				=	14.82 m ³
(7) Pumped wall & d	2	3.80	0.60	0.40	1.82 m ³
				Qty =	1.82 m ³
for 02 nos				=	3.64 m ³
(8) Puffing on Pumped wall					
Top face	2	3.80	0.40	—	3.04 m ³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Side face	4	3.80	0.60	-	9.12 m ²
End face	4	0.40	0.80	-	0.960 m ²
				Qty =	13.12 m ²
				for 2 m ³ =	26.24 m ²

⑨ P/F of large spur & ~~me.~~

				Qty =	4.00 m ²
				for 2 m ³ =	8.00 m ²

⑩ Approach slab & ~~me.~~

below App.	2	6.0	2.50	0.10	4.20 m ²
with App. slab.	2	6.0	2.50	0.350	14.70 m ²
					= 29.40 m ²

Qty = 18.18 m³

for 2 m³ = 37.80 m²

⑪ Providing PCC in wearing coat & ~~me.~~

	1	3.80	5.50	0.075	1.57 m ²
				Qty =	1.57 m ²
				for 2 m ³ =	3.14 m ²

⑫ P/F of HPSD bar in ~~me.~~

structure & super structure & ~~me.~~

~~me.~~

Top slab top bar				10 mm.	
160		3720			7160

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
Total length =		4040 mm			
c/c spacing =		190 mm			
No of bars =		32 nos.			
Total length =		32 X 4040 mm			
		= 12928 mm			
wt of bars =		79.76 kg.			
①					
Top slab bottom bar (12mm)					
192				192	
		3720			
Total length =		4104 mm			
c/c spacing =		120 c/c			
No of bars =		30 nos.			
Total length =		30 X 4104 mm			
Weight of bars =		125.12 kg			
		= 109.33 kg			
②					
③ vertical bar 10mm dia.					
		1110			
		3520			
		1110			
Total length =		5740 mm			
c/c spacing =		190 c/c			
Total no of bars					
		= 64 for base			
Total length =		64 X 5740 mm			
wt of bars =		367.46 kg			

Continuation = 326.46

③

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
④ Vertical side			50	10 mm	50 mm
				160	160
				3520	
				160	
Total length =			3840 mm		
c/c spacing =			200 c/c	No = 60	
Total length =			3840 mm	X 60	
Wt. of bar =			230.40 mm		
			142.15 kg		
⑤ corner			50	10 mm	
				1110	
				1110	
Length Angle =			2220 mm		
spacing =			95 c/c	No = 120	
Total length =			2220 X 120		
Wt. of bar =			2220 X 120 = 266400		
			= 164.36 kg		
⑥ corner			8 mm		
				1110	
				1110	
Length =			2220 mm		
c/c spacing =			190 c/c		
No. =			60 nos.		
Total length =			2220 X 60 = 133200		
Wt. =			2220 X 60 X 0.375		
			= 52.614 kg		

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	

⑧ Hatch bar 8 mm dia.

200

800

1200

Length of bar = 200 mm @ 1500

Nu = 212

wt. of bar = 212 x 1200 x 0.375

= 100.48 kg

⑧

④ bottom slab top bar 10 mm.

3720

1160

1160

Length = 4040 mm.

spacing 2 100 c/c.

No. of bar = 32 nos.

Total length = 4040 x 32

wt. of bar = 4040 x 32 x 0.617

= 7976 kg

④

① bottom slab bottom bar 10 mm

1160

1160

3720

Length = 4040 mm

spacing = 100 c/c

No. of bar = 32

Total length = 4040 x 32

wt. of bar = 4040 x 32 x 0.617

Continuation

Record Measurement.

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Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
① Construction of ground, Sub-base by forming well graded sand.					
In d/w. 920 mtr to 9325 mtr.					
	17	1.30	1.10	0.175	5.56 m ³
	23	1.40	1.00	0.175	5.64 m ³
	18	1.90	0.90	0.175	5.39 m ³
	17	2.10	0.80	0.175	5.00 m ³
	17	1.50	1.20	0.175	5.36 m ³
	22	1.60	0.80	0.150	4.82 m ³
	28	1.50	0.90	0.175	6.62 m ³
	17	1.30	1.30	0.150	5.64 m ³
	17	2.10	1.00	0.150	5.99 m ³
	22	1.80	0.90	0.175	6.94 m ³
	33	2.20	1.10	0.175	13.97 m ³
	21	1.90	0.95	0.150	5.68 m ³
	13	2.70	2.20	0.175	13.51 m ³
	09	2.10	0.90	0.150	2.77 m ³
				Qty =	91.59 m ³
② Const. of masonry in the Pot holes of existing RTCC Portals.					
	23	2.40	0.90	0.075	3.72 m ³
	28	3.10	1.10	0.075	7.16 m ³
	33	2.90	0.980	0.075	7.03 m ³
	27	1.90	1.050	0.075	4.03 m ³
	21	2.70	1.150	0.075	7.75 m ³

Continuation

Continuation

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
④ Priming & applying of Primer Coat with SS-1 on steel job.					
Area of Primer coat					
=					$38.12 \text{ m}^2 / 0.075$
=					$614.133 \text{ m}^2 / 0.1075$
=					568.26 m^2
Added to exp. wire mesh					①
=					$3 \times 8.00 \times 1.00$
=					24.00 m^2
					②
Total Qty =					533.46 m^2

⑤ Priming & applying of tree Coat with P-21 (S.S.)

⑥ Same quantity of Primer Coat vide PMS/P-248

Qty = 533.46 m^2

⑥ Patch work over work using mastic putty - S.S.

Same quantity of Primer Coat vide PMS/P-48

Qty = 533.46 m^2

Continuation

Sch. XLV-Form No. 134

Sch. XLV-Form No. 154					Contents of area
Particulars	Details of actual measure				
	No.	L.	B.	D.	
(7) Priming & applying of bitumen emulsion with 25-1-2.5 gal					
In between chad of 920 to 9328.0					
1	4	30	3.75	—	450 m ²
.	1	02	3.75	—	07.50 m ²
				Qty =	457.50 m ²
(8) Priming & applying of S.D.C					
Do Do all 32					
Area of floor =					
		2	457.50 m ²		
Thickness of S.D.C @ 25 mm					
= 457.50 m ² x 0.025					
= 11.43 m ³					
(9) Placing of concrete for one year					
Do Do all 32					
				Qty =	43600 m ³
(10) Construction of Earthwork					
Do Do all 32					
10	2	30	0.75	0.25	126.00 m ³
10	2	30	0.75	0.25	126.00 m ³

Continuation

Continuation
$$b_j = 3834.00$$

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(11) P/F of 5th floor stone.					
				Rty =	0148.
(12) P/F of 1st floor stone.					
				Rty =	10 nos.
(13) P/F of 2nd floor stone.					
				Rty =	37 nos.
(14) P/F of 2nd floor space board.					
28 X 120 X 0.80				Rty =	26.88
(15) 600 mm equal					
				Rty =	75 nos.
(16) 600 mm circular					
				Rty =	2 nos.
(17) 600 mm X 450 mm					
				Rty =	19 nos.
(18) P/F of boundary Pillar					
				Rty =	8 nos.
(19) Logo of Main floor					
				Rty =	01 no.
(20) Road marking with					
applied thermoplastic paint					
	10	2	30	0.10	60.00 m ²
	100	2	30	0.10	600.00 m ²
	100	2	30	0.10	600.00 m ²
	100	2	30	0.10	600.00 m ²
	1	2	25	0.10	05.00 m ²
				Rty =	1868.00

Continuation

12/11/2023

Rty = 1868.00
12/11/23

Abstract of cost.

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Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
	Int on HC & find bill				
Name of work:-	Midhruliyg				
	Puladiga Record.				
Length of road:-	9.325 km				
Name of agency:-	M/S M-S Enterprises.				
Prop-Mangin Singh, P.O. in	Nageshwar Colony, Pitug.				
Agreement:-	07/11/2021/2021-22				
Rate:-	1233/- below.				

Date of start:- 5-2-2022.

Date of an:- 2.11.2022

Extend up to:- 15.11.2023.

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
1) (VI) <u>Clay Lining.</u>					
<u>1-815 ft</u> <u>sq ft/p-32</u> @					
<u>Rs. 43476.70-</u>					<u>89837.0</u>
16) (2/16/19) <u>board,</u>					
<u>4 nos.</u> <u>sq ft/p-32</u>					
<u>0128</u> <u>sq ft</u> <u>sq ft/p-51</u>					
<u>05491</u> @ <u>9445.32-</u>					<u>47227.0</u>
2) <u>Diamonding of pcc.</u>					
<u>11-52 sq</u> <u>sq ft/p-23</u> @					
<u>Rs. 228.72-</u>					<u>2635.0</u>
4) <u>Gravel</u>					
<u>765.76 sq</u> <u>sq ft/p-22</u>					
<u>91.59 sq</u> <u>sq ft/p-46</u>					
<u>857.35</u> @ <u>2077.27-</u>					<u>1780947.0</u>
3) <u>Sus. do Ashdles.</u>					
<u>3824.00</u> <u>sq ft</u> <u>sq ft/p-50</u> @					
<u>Rs. 176.75-</u>					<u>677660.0</u>
5) <u>WOM-II</u>					
<u>437.70</u> <u>sq</u> <u>sq ft/p-32</u>					
<u>58.39</u> <u>sq</u> <u>sq ft/p-43</u>					
<u>490.69</u> <u>sq</u> <u>sq ft</u> <u>490.30</u>					
<u>490.30</u> <u>sq</u> @ <u>2802.65-</u>					<u>1864439.</u>

4462745.00

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h.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(6) WDM-M					
697.55 m ³ side A/S/P-33					18011.1
38.19 m ³ side TMS/P-47					
735.67 m ³ (4) 3421.72					2517257.0
(7) P/A of Prim Cont.					
9286.47 m ² side A/S/P-33					
533.46 m ² side TMS/48					9.11 PPO
9919.93 m ² Limit 9919.41 m ²					
9919.41 m ² (4) 41.50					411656.0
(8) P/A of M.S.S.					
9745.42 m ² side A/S/P-33					118011.1
533.46 m ² side TMS/P-48					
10278.89 m ² Limit - 10146.66					
10146.66 m ² (4) 200.04					2029738.0
(9) P/A of T-ole cont.					
44456.31 m ² side A/S/P-33					
533.46 m ² side TMS/P-48					
457.50 m ² side TMS/P-49					
45447.27 m ² (4) 14.07					639443.0
(10) P/L of S.D.C					
877.975 m ³ side A/S/P-33					
11.43 m ³ side TMS/P-49					
889.405 m ³ Limit					
882.96 m ³ (4) 10068.11					8889738.00

Continuation 18950577.00

18950577.00

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
11.i		54 kms			
01 nos		vide PMA/P-51 @			
		Rs. 4390.43			4390.00
11.ii		kms			
10 nos		vide PMA/P-51 @			
		Rs. 2353.20			23532.00
11.iii		200 mps			
37 nos		vide PMA/P-51 @			
		Rs. 637.53			23589.00
12		P/A of 4158 Poles			
2688 m ²		vide PMA/P-51 @			
		Rs. 12392.39			333107.00
13.i		600 mm Δ eqts.			
75 nos		vide PMA/P-51 @			
		Rs. 3683.05			276379.00
13.ii		600 mm Circular			
02 nos		vide PMA/P-51 @			
		Rs. 3784.40			7569.00
13.iii		600 mm x 450 mm			
19 nos		vide PMA/P-51 @			
		Rs. 3655.27			69450.00
14		P/A of 4000 Poles			
08 nos		vide PMA/P-51 @			
		Rs. 533.93			4271.00
15		Planting of 1000			
426 nos		vide PMA/P-51 @			

Continuation

Rs. 799.08

348398.00

20041263.00

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
7) Road Marking with thermo print					
1865.00 m ² vide TMA/P-51 @					
Rs. 735.40					1371521.00
8) Earthwork in exch.					
9.80 m ³ vide TMA/P-36 @					
Rs. 285.47					8498.00
9) PCC M/S in leveling.					
2.960 m ³ vide TMA/P-38 @					
Rs. 5877.52					17397.00
10) Gravel concrete with CM					
2.7.65 m ³ vide TMA/P-38 @					
Rs. 6290.71					173938.00
22) 100mm dia. Pipe.					
7.50 m ³ vide TMA/P-39 @					
Rs. 3246.68					24350.00
23) Plastering with CM 1:4					
5.89 m ³ vide TMA/P-39 @					
Rs. 1917.7					12636.00
24) Painting on Plaster					
20.64 m ² vide TMA/P-39 @					
Rs. 85.63					1974.00
25) E/W in exch.					
85.24 m ³ vide TMA/P-39 @					
Rs. 285.17					24308.00
26) PCC M/S in leveling					
4.56 m ³ vide TMA/P-39 @					

Continuation

5877-58

26801.4

$$21702686$$

217 02 66640

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(27) P/L R PCE M20.					
84 m ² n20 gms/p-40 @					
Rs. 6657.14					45487.00
(28) S/P P of HPSD M20.					
0.26 m ² n20 gms/p-40 @					
Rs. 58056.41					15087.00
(29) Cont of Neophthal.					
80 m ² n20 gms/p-40 @					
Rs. 11801					9465.00
(30) P/L RCE M20.					
43.02 m ² n20 gms/p-40 @					
Rs. 6960.87					200402.00
(31) S/P A HPSD M20.					
2.22 m ² n20 gms/p-40 @					
Rs. 58128.64					129153.00
(32) RCE M20.					
14.82 m ² n20 gms/p-40 @					
Rs. 8137.71					120601.00
(33) S/P A HPSD M20.					
0.60 m ² n20 gms/p-40 @					
Rs. 51231.28					25528.00
(34) Cont of Neophthal.					
2.64 m ² n20 gms/p-40 @					
Rs. 7428.58					27076.00
(35) P/L RCE M20.					
0.60 m ² n20 gms/p-40 @					
Rs. 98165.00					2507.00

Continuation 222 88047.00

223 88 049.0

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(36) P/L of drainage spad					
08 nos					
					1777.0
(37) Cont. of PCCM in					
app slab.					
8.40m ²					
					48261.0
(38) Cont. of PCCM					
29.40m ³					
					305861.0
(39) P/cont. of M30 in					
wrong cont					
3.14m ³					
					37417.0
(40) P/L of NP 300mm					
Impedible pipe.					
120 mtr					
					107494.0
(41) Drazee Maning.					
12.48 m ³					
					71382.0
(42) Plastering with cm 1:4					
87.04 m ²					
					16692.0
(43) Plastering m/cd m/cd					
100.80 m ²					
					19330.0

Continuation

229 96 263.0

59

[illegible]

Continuation



Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
3300/17-01-2023					21.560 T.
20032/10-02-2023					21.600 T.
11432/17-02-2023					14.300 T.
5584/11-03-2023					21.420 T.
3321/06-05-23					20.770 T.
9880/24-07-2023					25.540 T.
					125.190 T.
	Cony med			=	121.157
			balance =		4.033 MT
PY-23 24 ED 0092/13-05-23			RS-1		2.40 T.
— do —			SS-1		2.40 T.
PY-23 23 ED 0623/06-02-23			RS-1		2.00 T.
			SS-1		3.00 T.
126766123000552-23/06/2023			RS-1		12.20 T.
			SS-1		8.00 T.
Total RS-1			=		16.60 T.
			-		12.46 T.
balance =					4.139 T.
Total SS-1 =					13.40 T.
(-)					8.388 T.
balance =					5.012 T.

10/01/2023 12:11/23
 JE
 CRP
 21.3.24
 EE

Particulars	Details of actual measurement				No.	L.	B.	D.	20065 Nos.
	No.	L.	B.	D.					
Bricks									
Sand									12600 m ³
Sand									47.00 m ³
Aggregate									104.00 m ³
Met									181.00 m ³
Gravel									24.00 m ³
binding material									4.00 m ³
SS-10									8.388 m ³
Re-1									12.461 m ³
S-90									121.157 m ³

12/11/2023
 12/11/2023

certify that the construction
work of the above said road
has been completed by the
agency as per T/S as ordered
by - 12/11/2023 & Maint. work
period starts for the work.

Continuation

P.T.O.

articulare

No.

L.

memo of pos

900' / 512 SF. — 2693 67 ~
2104 SF. — 1,077 47 ~
1000' / 2104 SF. — 538 73 ~
1000' / 1000' — 538 73 ~
1000' / 1000' — 538 73 ~
1000' / 1000' — 538 73 ~
1000' / 1000' — 40502 ~
1000' / 1000' — 22665 ~
SF — 4785443 ~
BY CPD — 5387343 ~

is for the right by three be
by seven thousand three
to the left of three only

3/24
FEDERAL BUREAU OF INVESTIGATION
U.S. DEPARTMENT OF JUSTICE